



Overview

SMARTS is an Internet-based information system designed to serve the following needs:

- Collecting all Safety and Mission Assurance (SMA) policy requirements and standards requirements at the Agency and Center levels
- Making SMA requirements more accessible
- Supporting research into SMA requirements
- Creating virtual SMA documents with a customized set of requirements tailored to the user's needs
- Supporting data associated with compliance verification of SMA requirements
- Supporting maintenance and development of new SMA policy and procedural documents

In SMARTS's Future

- Centers, programs, and projects can establish their own libraries of documents applicable to their site.
 - Adds site-specific documents to SMARTS and links with NASA and other documents in SMARTS to build Center verification and dedicated research tools.
- Requirements verifiers will be able to track and record data associated with verifications of Centers' programs and projects.
 - Builds a single closed-loop system of requirements development, implementation, verification, and feedback to the document developers.
- SMARTS will interface with the NASA Lessons Learned Information System (LLIS).

Current Document Inventory

As of November 2004:

- Nineteen NASA Policy Directives (NPDs)
- Fourteen NASA Procedural Requirements Documents (NPRs)
- Three NASA Technical Standards
- NASA FAR Supplement (SMA Section)
- HQ SMA Functional Leadership Plan
- Four Presidential Decision Directives
- One Presidential Executive Order
- Twenty-Nine CFR 1960

The text from these documents duplicates the contents as stored in the NASA Online Directives Information System (NODIS).

Features of SMARTS BETA Version 1.1

Requirements are linked to:

- Documents
 - SMA key processes
 - Responsible organizations
 - Requirement drivers
 - Effectiveness measures
 - Fifty-five key HQ SMA functions
 - Nineteen HQ SMA office work instructions
- Research users can access all data, searches, and reports.
- SMARTS will connect SMA key processes and documents to available training.
- Customized querying capability of SMA requirements and supporting documents to develop virtual SMA requirement documents.

– Closes the loop between requirements and lessons learned to foster continual improvement in requirements documents and implementation.

- SMARTS will be linked to NODIS.
 - Permits NODIS users to do research on SMA requirements and learn how they are implemented.
- SMARTS will track and process waivers and deviations to requirements.
 - Provides a single place and method for waiver and deviation processing and tracking and verification/oversight.

- Document developers can update existing documents and add new documents within SMARTS while maintaining the document's version history.

DocID	Doc. Number	Title	RP	Date	Expires
42	Executive Order 13043	Increasing Seat Belt Use in the United States	4/11	04/16/97	-
33	NASA STD-8719.9	Lifting Devices Standard	0/1	02/20/04	02/20/08
47	NASA STD-8719.13B	Software Safety Standard	239/340	07/08/04	07/08/09
46	NASA STD-8739.8	SOFTWARE ASSURANCE STANDARD	105/206	07/28/04	07/28/09
43	NPS 1852-223-70	NASA FAR Supplement 1852-223-70 Safety and Health.	20/21	04/01/02	-
29	NPD 1000.1C	NASA Strategic Plan	0/0	02/03/03	02/03/08
36	NPD 1040.4A	NASA Continuity of Operations	17/28	07/03/03	07/03/08
	NPD 1280.1	NASA Management System Policy	7/7	04/17/03	04/17/08
		NASA Occupational Health Program	29/33	10/01/99	10/01/04
		NASA Software Policies	29/32	12/06/01	12/06/06
		Launch Vehicle (ELV) Launch	14/21	13/23	03/01/04
		Launch Vehicle (ELV) Launch	14/18	02/01/04	02/01/09

Frequently Asked Questions

1) How much of the document content is stored in SMARTS?

- For NASA HQ SMA-owned documents: The preface, core chapters, and appendix titles.
- For other NASA documents and unrestricted technical documents: The SMA-specific chapters and sections.
- For restricted access on non-NASA documents: An unclassified summary of the restricted information.

2) Who can access SMARTS?

- SMARTS is available to all NASA civil servants and contractors after obtaining a user account. An anonymous user may be permitted in the future.

3) Do I need any special software to access SMARTS?

- No. SMARTS is Internet accessible via a current Web browser (Internet Explorer 5.0, Netscape 4.0) and a user ID.

4) What is on the horizon for SMARTS?

- More searchable documents
- Center and program/project libraries
- E-mail notifications to document owners
- Expanded interfaces with other NASA systems
- Waiver/deviation tracking
- Document development
- Links to access NASA's top subject-matter experts for SMA topical areas
- SMA requirements verification information

Contact Information

SMARTS Beta Version 1.1

Web Site: <http://207.41.94.235/SMARTS>

To obtain a SMARTS user ID,

go to the SMARTS Web site and click on Request an ID, then fill in the requested data. A user ID will be sent via e-mail.

For inquiries and comments on SMARTS's capabilities, contact:

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For information on NASA SMA

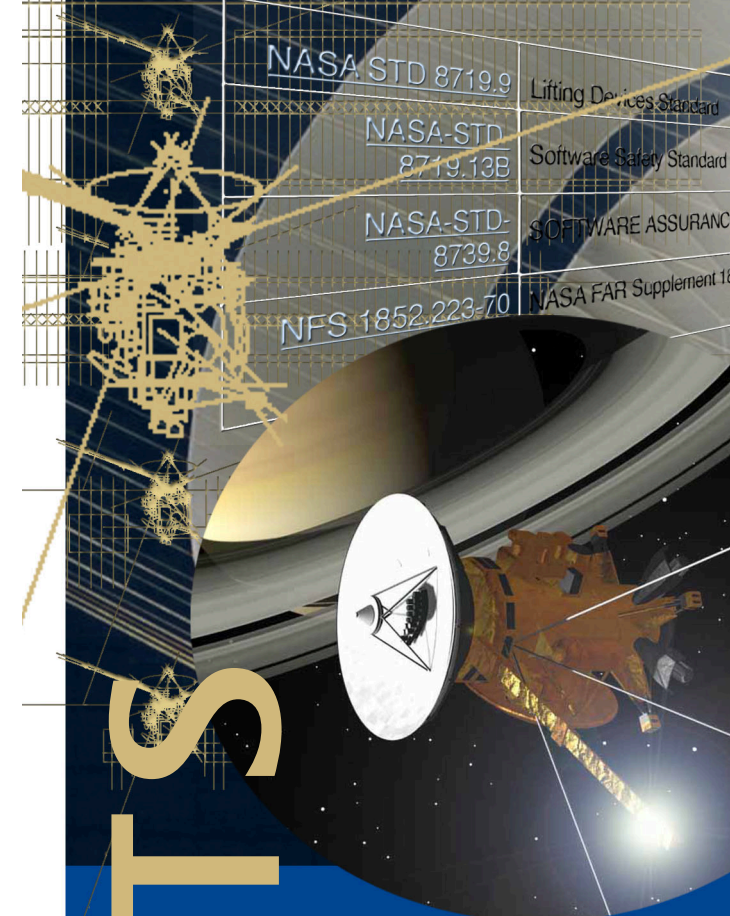
and available resources, check out the OSMA
Web site at: <http://www.hq.nasa.gov/office/codeq>



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SMARTS

Safety and
Mission
Assurance
Requirements
Tracking
System